

PATENT ABSTRACTS OF JAPAN

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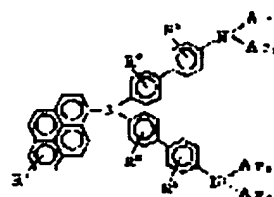
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(54) ELECTROLUMINESCENT DEVICE

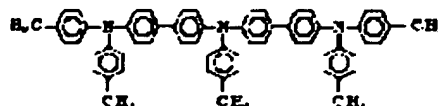
(57)Abstract:

PURPOSE: To obtain the device having an organic compound layer with the constituent being a pyrene compound having specific structure, capable of sustaining both sufficient luminance and luminescent performance for a long time, and excellent in durability.

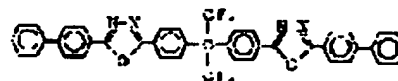
CONSTITUTION: This device can be obtained by sandwiching an organic compound layer with the constituent being a compound of formula I [R1 and R2 are each H, halogen, alkyl, etc.; Ar1 and Ar2 are each (substituted) aryl]. The compound of formula I is pref. used as a luminescent layer or positive hole transport layer. Specifically, this device is obtained, for example, by the following processes: a hole transport layer consisting of a triphenylamine derivative of formula II, a luminescent layer consisting of a compound of formula I, an electron transport layer consisting of an oxadiazole compound of formula III and the anode consisting of Mg:Ag alloy with the atom ratio of (10:1) are formed successively in this order by vacuum deposition on a tin oxide-indium anode-bearing glass substrate.



I



II



III